

TANK # 10

FORM U-1-A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only

S/O R-100751A

Manufactured by Trinity Industries, Inc. Box 1529, Rocky Mt., North Carolina  
 (Name and address of the manufacturer)

2. Manufactured for Allied Chemical Corporation 20 E. Halsey Road Parsippany, N.J.  
 (Name and address of the purchaser)

3. Type Horiz. Vessel No. (365360) (Mfrs. Serial) (State & State No.) Nat'l. Bd. No. 3/1176 Yr. Built 1969

4. SHELL: Mat'l SA-515-70 F.Q. T.S. 70,000 Nom. Thk. 9375 in. Allow. 0 in. Diam. 10 ft. 10 in. Length 47 ft. 2.125 in.  
 (Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long D.B. Weld H.T. X.R. Complete Section No Efficiency 100 %  
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

D.B. Weld & S.B. Weld W/H.T. X.R. Complete Sectioned No No. of Courses 5

\*6. HEADS: (a) Material SA 455-B T.S. 73,000 (b) Material SA-455-B T.S. 73,000

If riveted or brazed describe seams fully under remarks.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) End	525"					65" I.S.		Concave
(b) End	525"					65" I.S.		Concave

If removable, bolts used \_\_\_\_\_ Other fastening \_\_\_\_\_ (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 250 psi. at max. temp. 125 °F. Min. temp. (when less than -20°) X.R. Complete } Test Press. 375 psi.  
 (Describe or Attach Sketch)

8. SAFETY OR RELIEF VALVE OUTLETS: Number 3 Size 2" Location Shell-Top Centerline

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Liquid	1	3"	Cplg.	Steel	3000#		Welded
Float Ga.	1	2 1/2"	Cplg.	Steel	3000#		Welded
Fill & Vap.	3	2"	Cplg.	Steel	3000#		Welded
P.G. & L.L.	2	1/4"	Cplg.	Steel	6000#		Welded
Therm	1	1/2"	Pipe	SA-106-B XX-Hvy			Welded

10. INSPECTION Manholes, No. 1 Size 18" Location Shell Top Centerline

OPENINGS Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

11. SUPPORTS: Skirt No Lugs \_\_\_\_\_ Legs \_\_\_\_\_ Other \_\_\_\_\_ Attached \_\_\_\_\_  
 (Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: 130" I.D. 30,000 W.G. Bulk Storage Tank

Dwg. No. S-4005

\*Heads are spot x-rayed & postweld heat treated per code

(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc. - State Content.)

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for unfired Pressure Vessels.

Date July 24, 1969 Signed Trinity Industries, Inc. By [Signature]  
 (Manufacturer)

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Trinity Industries, Inc. at Rocky Mount, North Carolina

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of North Carolina and employed by North Carolina Dept. Labor & Boiler Bureau of North Carolina have inspected the pressure vessel described in this manufacturer's data report on July 24, 1969, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date July 24, 1969  
[Signature] \_\_\_\_\_  
 Inspectors Authority \_\_\_\_\_ Commission 4451  
 Nat'l. Board or State and No. \_\_\_\_\_